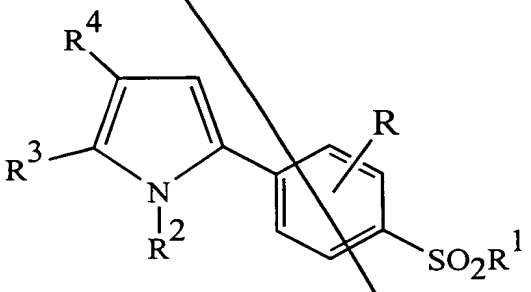
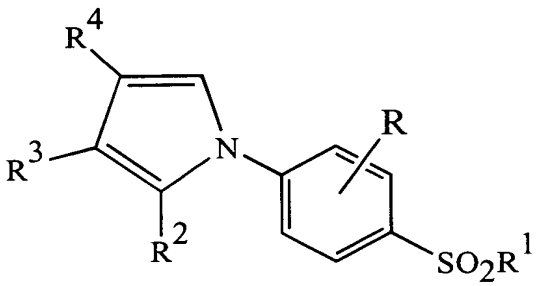
WE CLAIM:

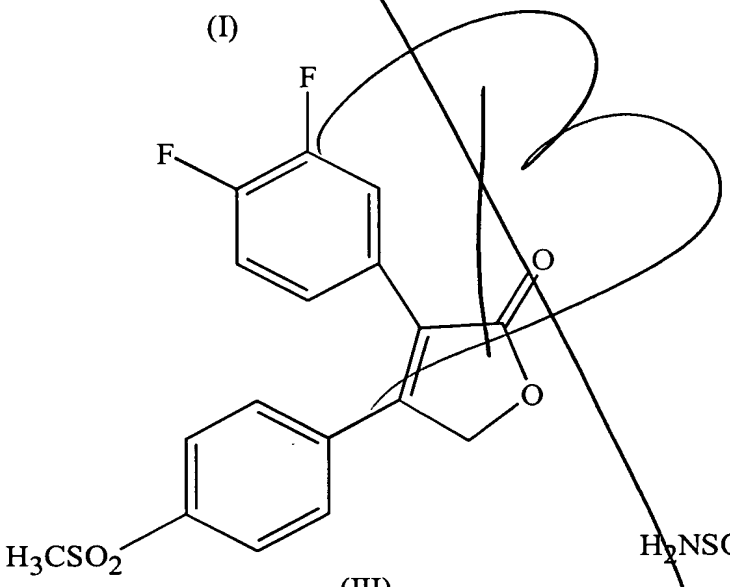
1. A method for the treatment or prevention of cachexia in a mammal in need of such treatment or prevention, which method comprises administering to said mammal an effective amount of an active compound selected from the group consisting of compounds of formula (I), (II), (III), (IV), (V), (VI), (VII), (VIII), (IX), (X), (XI), (XII), (XIII) and (XIV):



(I)



(II)



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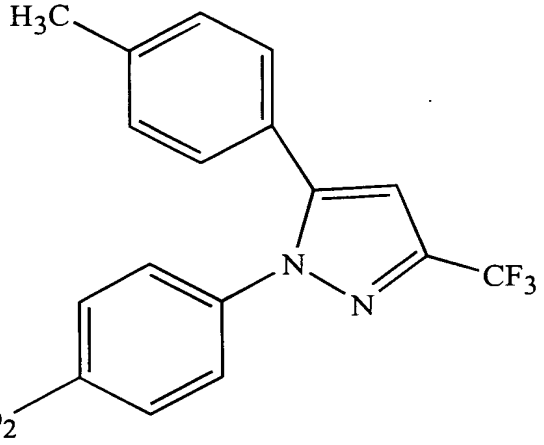

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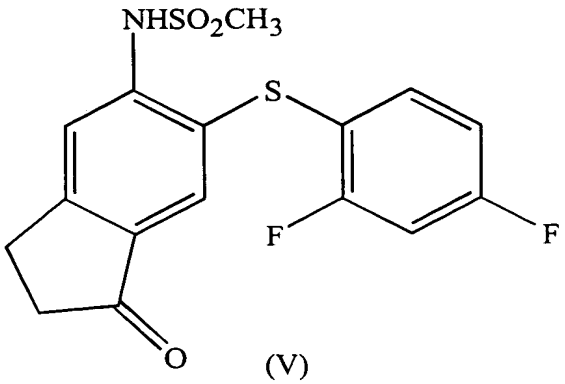

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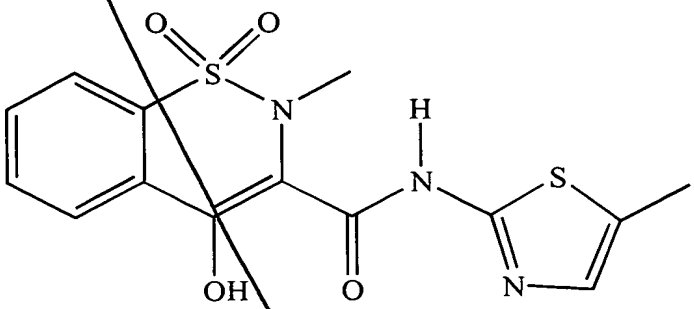

(VI)

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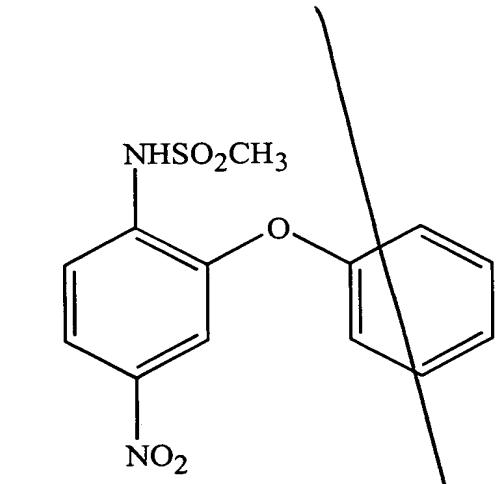
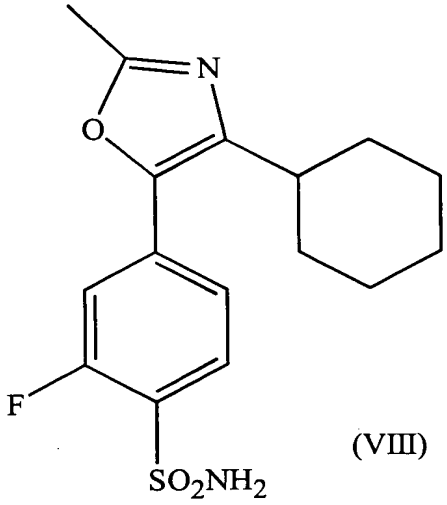
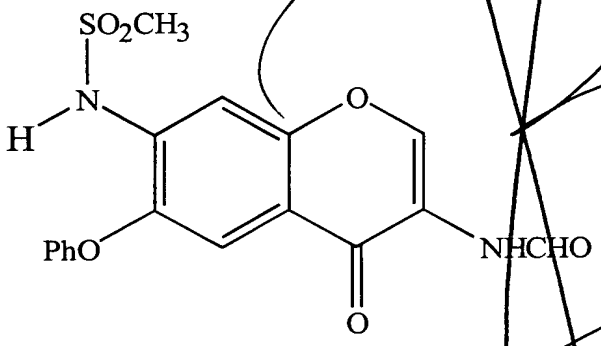


(VII)



(VIII)



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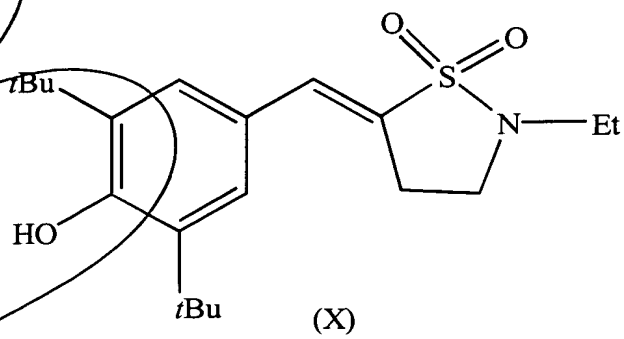
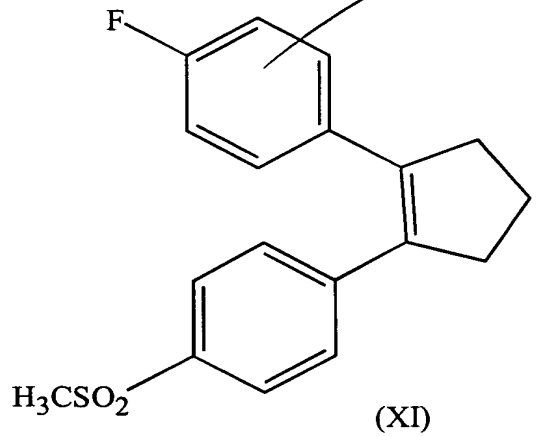
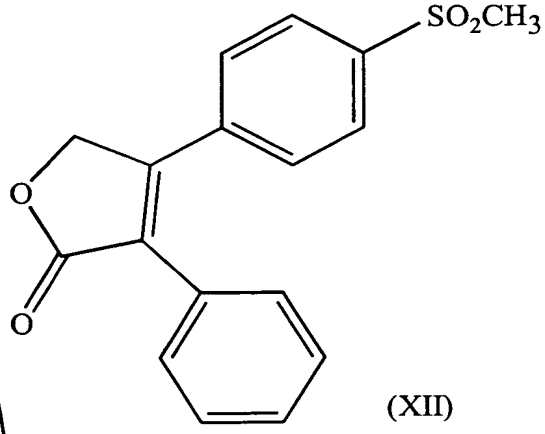


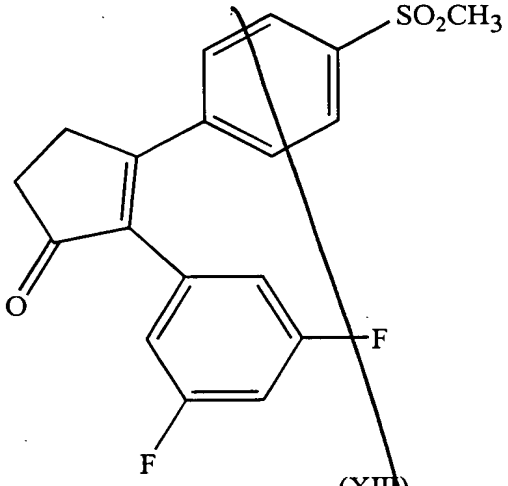
(X)



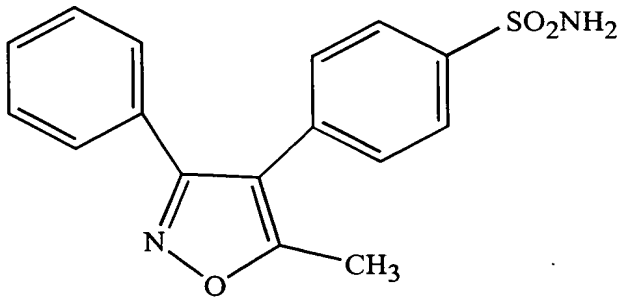
(XI)



(XII)



(XIII)



(XIV)

wherein

R represents a hydrogen atom, a halogen atom or a lower alkyl group;

R^1 represents a lower alkyl group, an amino group or a group of formula -NHR^a (wherein R^a represents a group which may be eliminated *in vivo*);

R^2 represents a phenyl group or a phenyl group having at least one substituent selected from the group consisting of substituents α and substituents β, defined below;

R^3 represents a hydrogen atom, a halogen atom, a lower alkyl group or a lower alkyl group having at least one substituent selected from the group consisting of substituents α;

R^4 represents a hydrogen atom, a lower alkyl group, a lower alkyl group having at least one substituent selected from the group consisting of substituents α, a cycloalkyl group, an aryl group as defined below, or an aralkyl group as defined below;

said aryl group is a carbocyclic aromatic hydrocarbon group having from 6 to 14 carbon atoms in one or more aromatic rings or such a group which is fused to a cycloalkyl group having from 3 to 10 carbon atoms, and the group is unsubstituted or it is substituted by at least one substituent selected from the

group consisting of substituents α and substituents β;

said aralkyl group is a lower alkyl group which is substituted by one or more of the aryl groups defined above;

*t*Bu represents a t-butyl group;

Et represents an ethyl group; and

Ph represents a phenyl group;

said substituents α are selected from the group consisting of hydroxy groups, halogen atoms, lower alkoxy groups and lower alkylthio groups; and

said substituents β are selected from the group consisting of lower alkyl groups, alkanoyloxy groups, mercapto groups, alkanoylthio groups, lower alkylsulfinyl groups, lower alkyl groups having at least one substituent selected from the group consisting of substituents α, cycloalkyloxy groups, lower haloalkoxy groups and lower alkylenedioxy groups;

and pharmaceutically acceptable salts thereof.

2. The method of Claim 1, wherein said active compound is selected from the group consisting of compounds of formula (I) and (II).

3. The method of Claim 2, wherein R represents a hydrogen atom, a fluorine atom, a chlorine atom or a methyl group.

4. The method of Claim 2, wherein R represents a hydrogen atom.

5. The method of Claim 2, wherein R^1 represents a methyl group, an amino group or an acetylamino group.

6. The method of Claim 2, wherein R^1 represents an amino group or an acetylamino group.

7. The method of Claim 2, wherein R^2 represents a phenyl group or a phenyl group

substituted with at least one substituent selected from the group consisting of substituents α^1 and substituents β^1.

substituents α^1 are selected from the group consisting of halogen atoms, lower alkoxy groups and lower alkylthio groups; and

substituents β^1 are selected from the group consisting of lower alkyl groups, mercapto groups, alkanoylthio groups, lower alkyl groups substituted with at least one substituent selected from the group consisting of substituents α^1, lower haloalkoxy groups and lower alkylenedioxy groups.

8. The method of Claim 2, wherein R^2 represents a phenyl group or a phenyl group substituted with at least one substituent selected from the group consisting of substituents α^1 and substituents β^2.

substituents α^1 are selected from the group consisting of halogen atoms, lower alkoxy groups and lower alkylthio groups.

substituents β^2 are selected from the group consisting of lower alkyl groups, mercapto groups, alkanoylthio groups, lower alkyl groups substituted with a halogen atom, lower haloalkoxy groups and lower alkylenedioxy groups.

9. The method of Claim 2, wherein R^3 represents a hydrogen atom, a halogen atom, a lower alkyl group or a lower alkyl group substituted with at least one substituent selected from the group consisting of substituents α^1.

substituents α^1 are selected from the group consisting of halogen atoms, lower alkoxy groups and lower alkylthio groups.

10. The method of Claim 2, wherein R^3 represents a hydrogen atom, a halogen atom, a lower alkyl group or a lower alkyl group substituted with a halogen atom.

11. The method of Claim 2, wherein R^4 represents a hydrogen atom, a lower alkyl group, a lower alkyl group substituted with at least one substituent selected from the

group consisting of substituents α, a cycloalkyl group, an aryl group, an aryl group substituted with at least one substituent selected from the group consisting of substituents α^1 and substituents β^3, an aralkyl group or an aralkyl group substituted with at least one substituent selected from the group consisting of substituents α^1 and substituents β^3.

substituents α^1 are selected from the group consisting of halogen atoms, lower alkoxy groups and lower alkylthio groups; and

substituents β^3 are selected from the group consisting of lower alkyl groups, lower alkyl groups substituted with at least one substituent selected from the group consisting of substituents α and cycloalkyloxy groups.

12. The method of Claim 2, wherein R^4 represents a hydrogen atom, a lower alkyl group, a lower alkyl group substituted with at least one substituent selected from the group consisting of substituents α^2, a cycloalkyl group, an aryl group, an aryl group substituted with at least one substituent selected from the group consisting of substituents α^2 and substituents β^4, an aralkyl group or an aralkyl group substituted with at least one substituent selected from the group consisting of substituents α^2 and substituents β^4.

substituents α^2 are selected from the group consisting of hydroxy groups, halogen atoms and lower alkoxy groups; and

substituents β^4 are selected from the group consisting of lower alkyl groups, lower alkyl groups substituted with halogen atom and cycloalkyloxy groups.

13. The method of Claim 2, wherein said active compound is:

3-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole,

1-(4-fluorophenyl)-2-(4-sulfamoylphenyl)pyrrole,

1-(4-fluorophenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

5-fluoro-1-(4-fluorophenyl)-2-(4-methylsulfonylphenyl)pyrrole,

2-(4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

1-(4-methoxyphenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

4-ethyl-2-(4-methoxyphenyl)-1-(4-sulfamoylphenyl)pyrrole,

2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-2-(4-methylthiophenyl)-1-(4-sulfamoylphenyl)pyrrole,

2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(4-methoxy-3-methylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(3-fluoro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-2-phenyl-1-(4-sulfamoylphenyl)pyrrole,

2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(3-chloro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole,

5-chloro-1-(4-methoxyphenyl)-2-(4-sulfamoylphenyl)pyrrole,

1-(3,4-dimethylphenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

5-chloro-1-(4-ethoxyphenyl)-2-(4-sulfamoylphenyl)pyrrole,

5-chloro-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole,

1-(4-ethylthiophenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

2-(3,5-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

1-(4-mercaptophenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

1-(4-acetylthiophenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

1-(4-acetylaminosulfonylphenyl)-4-methyl-2-(4-methoxyphenyl)pyrrole, or

1-(4-acetylaminosulfonylphenyl)-4-methyl-2-(3,4-dimethylphenyl)pyrrole,

or a pharmaceutically acceptable salt thereof.

14. The method of Claim 2, wherein said active compound is:

2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole, or

1-(4-acetylaminosulfonylphenyl)-4-methyl-2-(3,4-dimethylphenyl)pyrrole,

or a pharmaceutically acceptable salt thereof.

15. The method of Claim 1, wherein said active compound is selected from the group consisting of compounds of formulae (III), (IV), (V), (VI), (VII), (VIII), (IX), (X) and (XI).

16. The method of Claim 15, wherein said active compound is selected from the group consisting of 3-(3,4-difluorophenyl)-4-(4-methanesulfonylphenyl)-5H-furan-2-one and pharmaceutically acceptable salts thereof.

17. The method of Claim 15, wherein said active compound is selected from the group consisting of 4-(5-p-tolyl-3-trifluoromethyl-1H-pyrazol-1-yl)benzene-sulfonamide and pharmaceutically acceptable salts thereof.

18. The method of Claim 15, wherein said active compound is selected from the group consisting of N-[6-(2,4-difluorophenylthio)-1-oxoindan-5-yl]methane-sulfonamide and pharmaceutically acceptable salts thereof.

19. The method of Claim 15, wherein said active compound is selected from the

group consisting of 4-hydroxy-2-methyl-N-(5-methylthiazol-2-yl)-2H-1,2-benzothiazine-3-carboxamide-1,1-dioxide and pharmaceutically acceptable salts thereof.

20. The method of Claim 15, wherein said active compound is selected from the group consisting of N-(4-Nitro-2-phenoxyphenyl)methanesulfonamide and pharmaceutically acceptable salts thereof.

21. The method of Claim 15, wherein said active compound is selected from the group consisting of 4-(4-cyclohexyl-2-methyloxazol-5-yl)-2-fluorobenzene-sulfonamide and pharmaceutically acceptable salts thereof.

22. The method of Claim 15, wherein said active compound is selected from the group consisting of N-(3-formylamino-4-oxo-6-phenoxy-4H-1-benzopyran-7-yl)methanesulfonamide and pharmaceutically acceptable salts thereof.

23. The method of Claim 15, wherein said active compound is selected from the group consisting of (E)-2-ethyl-5-(3,5-di-t-butyl-4-hydroxy)benzylidene-1,2-isothiazolidine-1,1-dioxide and pharmaceutically acceptable salts thereof.

24. The method of Claim 15, wherein said active compound is selected from the group consisting of 1-(4-methanesulfonylphenyl)-2-(4-fluorophenyl)cyclopentene and pharmaceutically acceptable salts thereof.

25. The method of Claim 1, wherein said active compound is selected from the group consisting of compounds of formula (XII), (XIII) and (XIV).

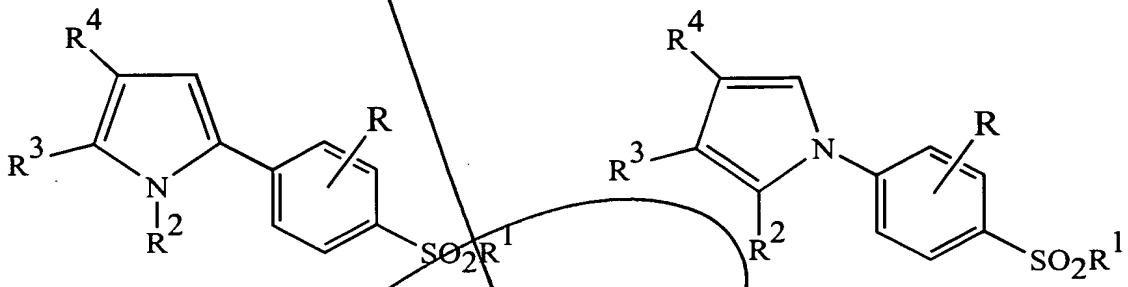
26. The method of Claim 25, wherein said active compound is selected from the group consisting of 3-phenyl-4-(4-methanesulfonylphenyl)-5H-furan-2-one and pharmaceutically acceptable salts thereof.

27. The method of Claim 25, wherein said active compound is selected from the group consisting of 2-(3,5-difluorophenyl)-3-(4-methanesulfonylphenyl)-2-cyclopenten-1-one and pharmaceutically acceptable salts thereof.

28. The method of Claim 25, wherein said active compound is selected from the

group consisting of 4-[5-methyl-3-phenylisoxazol-4-yl)benzenesulfonamide and pharmaceutically acceptable salts thereof.

29. A method for the treatment or prevention of tumor-related disorders in a mammal in need of such treatment or prevention, which method comprises administering to said mammal an effective amount of an active compound selected from the group consisting of compounds of formula (I) and (II):



(I) (II)

wherein

R represents a hydrogen atom, a halogen atom or a lower alkyl group;

R^1 represents a lower alkyl group, an amino group or a group of formula -NHR^a (wherein R^a represents a group which may be eliminated *in vivo*);

R^2 represents a phenyl group or a phenyl group having at least one substituent selected from the group consisting of substituents α and substituents β, defined below;

R^3 represents a hydrogen atom, a halogen atom, a lower alkyl group or a lower alkyl group having at least one substituent selected from the group consisting of substituents α;

R^4 represents a hydrogen atom, a lower alkyl group, a lower alkyl group having at least one substituent selected from the group consisting of substituents α, a cycloalkyl group, an aryl group as defined below, or an aralkyl group as defined below;

said aryl group is a carbocyclic aromatic hydrocarbon group having from 6 to 14 carbon atoms in one or more aromatic rings or such a group which is fused to a cycloalkyl group having from 3 to 10 carbon atoms, and the group is unsubstituted or it is substituted by at least one substituent selected from the group consisting of substituents α and substituents β;

said aralkyl group is a lower alkyl group which is substituted by one or more of the aryl groups defined above;

said substituents α are selected from the group consisting of hydroxy groups, halogen atoms, lower alkoxy groups and lower alkylthio groups; and

said substituents β are selected from the group consisting of lower alkyl groups, alkanoyloxy groups, mercapto groups, alkanoylthio groups, lower alkylsulfinyl groups, lower alkyl groups having at least one substituent selected from the group consisting of substituents α, cycloalkyloxy groups, lower haloalkoxy groups and lower alkylenedioxy groups;

and pharmaceutically acceptable salts thereof.

30. The method of Claim 29, wherein R represents a hydrogen atom, a fluorine atom, a chlorine atom or a methyl group.

31. The method of Claim 29, wherein R represents a hydrogen atom.

32. The method of Claim 29, wherein R^1 represents a methyl group, an amino group or an acetylamino group.

33. The method of Claim 29, wherein R^1 represents an amino group or an acetylamino group.

34. The method of Claim 29, wherein R^2 represents a phenyl group or a phenyl group substituted with at least one substituent selected from the group consisting of substituents α^1 and substituents β^1.

substituents α^1 are selected from the group consisting of halogen atoms, lower

alkoxy groups and lower alkylthio groups; and

substituents β^1 are selected from the group consisting of lower alkyl groups, mercapto groups, alkanoylthio groups, lower alkyl groups substituted with at least one substituent selected from the group consisting of substituents α^1, lower haloalkoxy groups and lower alkylenedioxy groups.

35. The method of Claim 29, wherein R^2 represents a phenyl group or a phenyl group substituted with at least one substituent selected from the group consisting of substituents α^1 and substituents β^2.

substituents α^1 are selected from the group consisting of halogen atoms, lower alkoxy groups and lower alkylthio groups;

substituents β^2 are selected from the group consisting of lower alkyl groups, mercapto groups, alkanoylthio groups, lower alkyl groups substituted with a halogen atom, lower haloalkoxy groups and lower alkylenedioxy groups.

36. The method of Claim 29, wherein R^3 represents a hydrogen atom, a halogen atom, a lower alkyl group or a lower alkyl group substituted with at least one substituent selected from the group consisting of substituents α^1.

substituents α^1 are selected from the group consisting of halogen atoms, lower alkoxy groups and lower alkylthio groups.

37. The method of Claim 29, wherein R^3 represents a hydrogen atom, a halogen atom, a lower alkyl group or a lower alkyl group substituted with a halogen atom.

38. The method of Claim 29, wherein R^4 represents a hydrogen atom, a lower alkyl group, a lower alkyl group substituted with at least one substituent selected from the group consisting of substituents α, a cycloalkyl group, an aryl group, an aryl group substituted with at least one substituent selected from the group consisting of substituents α^1 and substituents β^3, an aralkyl group or an aralkyl group substituted

with at least one substituent selected from the group consisting of substituents α^1 and substituents β^3.

substituents α^1 are selected from the group consisting of halogen atoms, lower alkoxy groups and lower alkylthio groups; and

substituents β^3 are selected from the group consisting of lower alkyl groups, lower alkyl groups substituted with at least one substituent selected from the group consisting of substituents α and cycloalkyloxy groups.

39. The method of Claim 29, wherein R^4 represents a hydrogen atom, a lower alkyl group, a lower alkyl group substituted with at least one substituent selected from the group consisting of substituents α^2, a cycloalkyl group, an aryl group, an aryl group substituted with at least one substituent selected from the group consisting of substituents α^2 and substituents β^4, an aralkyl group or an aralkyl group substituted with at least one substituent selected from the group consisting of substituents α^2 and substituents β^4.

substituents α^2 are selected from the group consisting of hydroxy groups, halogen atoms and lower alkoxy groups; and

substituents β^4 are selected from the group consisting of lower alkyl groups, lower alkyl groups substituted with halogen atom and cycloalkyloxy groups.

40. The method of Claim 29, wherein said active compound is:

3-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole,

1-(4-fluorophenyl)-2-(4-sulfamoylphenyl)pyrrole,

1-(4-fluorophenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

5-fluoro-1-(4-fluorophenyl)-2-(4-methylsulfonylphenyl)pyrrole,

2-(4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

1-(4-methoxyphenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

4-ethyl-2-(4-methoxyphenyl)-1-(4-sulfamoylphenyl)pyrrole,

2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-2-(4-methylthiophenyl)-1-(4-sulfamoylphenyl)pyrrole,

2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(4-methoxy-3-methylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(3-fluoro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-2-phenyl-1-(4-sulfamoylphenyl)pyrrole,

2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(3-chloro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole,

5-chloro-1-(4-methoxyphenyl)-2-(4-sulfamoylphenyl)pyrrole,

1-(3,4-dimethylphenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

5-chloro-1-(4-ethoxyphenyl)-2-(4-sulfamoylphenyl)pyrrole,

5-chloro-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole,

1-(4-ethylthiophenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

2-(3,5-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

1-(4-mercaptophenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

1-(4-acetylthiophenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

1-(4-acetylaminosulfonylphenyl)-4-methyl-2-(4-methoxyphenyl)pyrrole, or

1-(4-acetylaminosulfonylphenyl)-4-methyl-2-(3,4-dimethylphenyl)pyrrole,

or a pharmaceutically acceptable salt thereof.

41. The method of Claim 29, wherein said active compound is:

2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

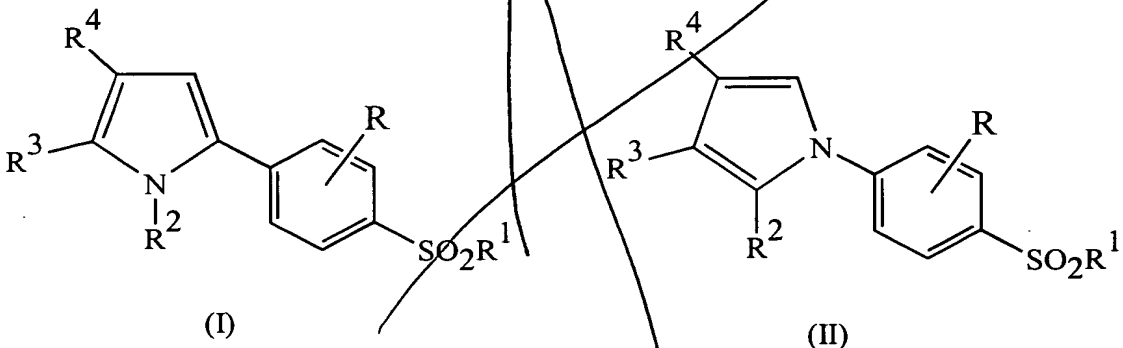
2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole, or

1-(4-acetylaminosulfonylphenyl)-4-methyl-2-(3,4-dimethylphenyl)pyrrole,

or a pharmaceutically acceptable salt thereof.

42. A method for inhibiting tumor growth in a mammal in need thereof, which method comprises administering to said mammal an effective amount of an active compound selected from the group consisting of compounds of formula (I) and (II):



(I) (II)

wherein

R represents a hydrogen atom, a halogen atom or a lower alkyl group;

R^1 represents a lower alkyl group, an amino group or a group of formula -NHR^a (wherein R^a represents a group which may be eliminated *in vivo*);

R^2 represents a phenyl group or a phenyl group having at least one substituent

selected from the group consisting of substituents α and substituents β, defined below;

R^3 represents a hydrogen atom, a halogen atom, a lower alkyl group or a lower alkyl group having at least one substituent selected from the group consisting of substituents α;

R^4 represents a hydrogen atom, a lower alkyl group, a lower alkyl group having at least one substituent selected from the group consisting of substituents α, a cycloalkyl group, an aryl group as defined below, or an aralkyl group as defined below;

said aryl group is a carbocyclic aromatic hydrocarbon group having from 6 to 14 carbon atoms in one or more aromatic rings or such a group which is fused to a cycloalkyl group having from 3 to 10 carbon atoms, and the group is unsubstituted or it is substituted by at least one substituent selected from the group consisting of substituents α and substituents β;

said aralkyl group is a lower alkyl group which is substituted by one or more of the aryl groups defined above;

said substituents α are selected from the group consisting of hydroxy groups, halogen atoms, lower alkoxy groups and lower alkylthio groups; and

said substituents β are selected from the group consisting of lower alkyl groups, alkanoyloxy groups, mercapto groups, alkanoylthio groups, lower alkylsulfinyl groups, lower alkyl groups having at least one substituent selected from the group consisting of substituents α, cycloalkyloxy groups, lower haloalkoxy groups and lower alkylenedioxy groups;

and pharmaceutically acceptable salts thereof.

43. The method of Claim 42, wherein R represents a hydrogen atom, a fluorine atom, a chlorine atom or a methyl group.

44. The method of Claim 42, wherein R represents a hydrogen atom.

45. The method of Claim 42, wherein R^1 represents a methyl group, an amino group or an acetylamino group.

46. The method of Claim 42, wherein R^1 represents an amino group or an acetylamino group.

47. The method of Claim 42, wherein R^2 represents a phenyl group or a phenyl group substituted with at least one substituent selected from the group consisting of substituents α^1 and substituents β^1.

substituents α^1 are selected from the group consisting of halogen atoms, lower alkoxy groups and lower alkylthio groups; and

substituents β^1 are selected from the group consisting of lower alkyl groups, mercapto groups, alkanoylthio groups, lower alkyl groups substituted with at least one substituent selected from the group consisting of substituents α^1, lower haloalkoxy groups and lower alkylenedioxy groups.

48. The method of Claim 42, wherein R^2 represents a phenyl group or a phenyl group substituted with at least one substituent selected from the group consisting of substituents α^1 and substituents β^2.

substituents α^1 are selected from the group consisting of halogen atoms, lower alkoxy groups and lower alkylthio groups.

substituents β^2 are selected from the group consisting of lower alkyl groups, mercapto groups, alkanoylthio groups, lower alkyl groups substituted with a halogen atom, lower haloalkoxy groups and lower alkylenedioxy groups.

49. The method of Claim 42, wherein R^3 represents a hydrogen atom, a halogen atom, a lower alkyl group or a lower alkyl group substituted with at least one substituent selected from the group consisting of substituents α^1.

substituents α^1 are selected from the group consisting of halogen atoms, lower

alkoxy groups and lower alkylthio groups.

50. The method of Claim 42, wherein R^3 represents a hydrogen atom, a halogen atom, a lower alkyl group or a lower alkyl group substituted with a halogen atom.

51. The method of Claim 42, wherein R^4 represents a hydrogen atom, a lower alkyl group, a lower alkyl group substituted with at least one substituent selected from the group consisting of substituents α, a cycloalkyl group, an aryl group, an aryl group substituted with at least one substituent selected from the group consisting of substituents α^1 and substituents β^3, an aralkyl group or an aralkyl group substituted with at least one substituent selected from the group consisting of substituents α^1 and substituents β^3.

substituents α^1 are selected from the group consisting of halogen atoms, lower alkoxy groups and lower alkylthio groups; and

substituents β^3 are selected from the group consisting of lower alkyl groups, lower alkyl groups substituted with at least one substituent selected from the group consisting of substituents α and cycloalkyloxy groups.

52. The method of Claim 42, wherein R^4 represents a hydrogen atom, a lower alkyl group, a lower alkyl group substituted with at least one substituent selected from the group consisting of substituents α^2, a cycloalkyl group, an aryl group, an aryl group substituted with at least one substituent selected from the group consisting of substituents α^2 and substituents β^4, an aralkyl group or an aralkyl group substituted with at least one substituent selected from the group consisting of substituents α^2 and substituents β^4.

substituents α^2 are selected from the group consisting of hydroxy groups, halogen atoms and lower alkoxy groups; and

substituents β^4 are selected from the group consisting of lower alkyl groups, lower alkyl groups substituted with halogen atom and cycloalkyloxy groups.

53. The method of Claim 42, wherein said active compound is:

3-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole,

1-(4-fluorophenyl)-2-(4-sulfamoylphenyl)pyrrole,

1-(4-fluorophenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

5-fluoro-1-(4-fluorophenyl)-2-(4-methylsulfonylphenyl)pyrrole,

2-(4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

1-(4-methoxyphenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

4-ethyl-2-(4-methoxyphenyl)-1-(4-sulfamoylphenyl)pyrrole,

2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-2-(4-methylthiophenyl)-1-(4-sulfamoylphenyl)pyrrole,

2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(4-methoxy-3-methylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(3-fluoro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-2-phenyl-1-(4-sulfamoylphenyl)pyrrole,

2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(3-chloro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole,

5-chloro-1-(4-methoxyphenyl)-2-(4-sulfamoylphenyl)pyrrole,

1-(3,4-dimethylphenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

5-chloro-1-(4-ethoxyphenyl)-2-(4-sulfamoylphenyl)pyrrole,

5-chloro-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole,

1-(4-ethylthiophenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

2-(3,5-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

1-(4-mercaptophenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

1-(4-acetylthiophenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

1-(4-acetylaminosulfonylphenyl)-4-methyl-2-(4-methoxyphenyl)pyrrole, or

1-(4-acetylaminosulfonylphenyl)-4-methyl-2-(3,4-dimethylphenyl)pyrrole,

or a pharmaceutically acceptable salt thereof.

54. The method of Claim 42, wherein said active compound is:

2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

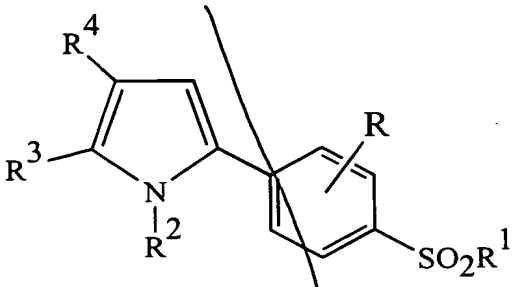
2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole, or

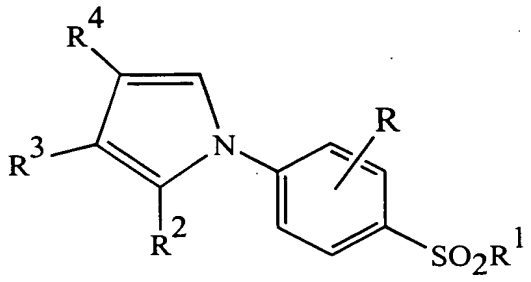
1-(4-acetylaminosulfonylphenyl)-4-methyl-2-(3,4-dimethylphenyl)pyrrole,

or a pharmaceutically acceptable salt thereof.

55. A method for inhibiting tumor metastasis in a mammal in need thereof, which method comprises administering to said mammal an effective amount of an active compound selected from the group consisting of compounds of formula (I) and (II):



(I)



(II)

wherein

R represents a hydrogen atom, a halogen atom or a lower alkyl group;

R^1 represents a lower alkyl group, an amino group or a group of formula -NHR^a (wherein R^a represents a group which may be eliminated *in vivo*);

R^2 represents a phenyl group or a phenyl group having at least one substituent selected from the group consisting of substituents α and substituents β, defined below;

R^3 represents a hydrogen atom, a halogen atom, a lower alkyl group or a lower alkyl group having at least one substituent selected from the group consisting of substituents α;

R^4 represents a hydrogen atom, a lower alkyl group, a lower alkyl group having at least one substituent selected from the group consisting of substituents α, a cycloalkyl group, an aryl group as defined below, or an aralkyl group as defined below;

said aryl group is a carbocyclic aromatic hydrocarbon group having from 6 to 14 carbon atoms in one or more aromatic rings or such a group which is fused to a cycloalkyl group having from 3 to 10 carbon atoms, and the group is unsubstituted or it is substituted by at least one substituent selected from the group consisting of substituents α and substituents β;

said aralkyl group is a lower alkyl group which is substituted by one or more of

the aryl groups defined above;

said substituents α are selected from the group consisting of hydroxy groups, halogen atoms, lower alkoxy groups and lower alkylthio groups; and

said substituents β are selected from the group consisting of lower alkyl groups, alkanoyloxy groups, mercapto groups, alkanoylthio groups, lower alkylsulfinyl groups, lower alkyl groups having at least one substituent selected from the group consisting of substituents α, cycloalkyloxy groups, lower haloalkoxy groups and lower alkylenedioxy groups;

and pharmaceutically acceptable salts thereof.

56. The method of Claim 55, wherein R represents a hydrogen atom, a fluorine atom, a chlorine atom or a methyl group.

57. The method of Claim 55, wherein R represents a hydrogen atom.

58. The method of Claim 55, wherein R^1 represents a methyl group, an amino group or an acetylamino group.

59. The method of Claim 55, wherein R^1 represents an amino group or an acetylamino group.

60. The method of Claim 55, wherein R^2 represents a phenyl group or a phenyl group substituted with at least one substituent selected from the group consisting of substituents α^1 and substituents β^1.

substituents α^1 are selected from the group consisting of halogen atoms, lower alkoxy groups and lower alkylthio groups; and

substituents β^1 are selected from the group consisting of lower alkyl groups, mercapto groups, alkanoylthio groups, lower alkyl groups substituted with at least one substituent selected from the group consisting of substituents α^1, lower haloalkoxy groups and lower alkylenedioxy groups.

61. The method of Claim 55, wherein R^2 represents a phenyl group or a phenyl group substituted with at least one substituent selected from the group consisting of substituents α^1 and substituents β^2.

substituents α^1 are selected from the group consisting of halogen atoms, lower alkoxy groups and lower alkylthio groups.

substituents β^2 are selected from the group consisting of lower alkyl groups, mercapto groups, alkanoylthio groups, lower alkyl groups substituted with a halogen atom, lower haloalkoxy groups and lower alkylenedioxy groups.

62. The method of Claim 55, wherein R^3 represents a hydrogen atom, a halogen atom, a lower alkyl group or a lower alkyl group substituted with at least one substituent selected from the group consisting of substituents α^1.

substituents α^1 are selected from the group consisting of halogen atoms, lower alkoxy groups and lower alkylthio groups.

63. The method of Claim 55, wherein R^3 represents a hydrogen atom, a halogen atom, a lower alkyl group or a lower alkyl group substituted with a halogen atom.

64. The method of Claim 55, wherein R^4 represents a hydrogen atom, a lower alkyl group, a lower alkyl group substituted with at least one substituent selected from the group consisting of substituents α, a cycloalkyl group, an aryl group, an aryl group substituted with at least one substituent selected from the group consisting of substituents α^1 and substituents β^3, an aralkyl group or an aralkyl group substituted with at least one substituent selected from the group consisting of substituents α^1 and substituents β^3.

substituents α^1 are selected from the group consisting of halogen atoms, lower alkoxy groups and lower alkylthio groups; and

substituents β^3 are selected from the group consisting of lower alkyl groups,

lower alkyl groups substituted with at least one substituent selected from the group consisting of substituents α and cycloalkyloxy groups.

65. The method of Claim 55, wherein R^4 represents a hydrogen atom, a lower alkyl group, a lower alkyl group substituted with at least one substituent selected from the group consisting of substituents α^2, a cycloalkyl group, an aryl group, an aryl group substituted with at least one substituent selected from the group consisting of substituents α^2 and substituents β^4, an aralkyl group or an aralkyl group substituted with at least one substituent selected from the group consisting of substituents α^2 and substituents β^4.

substituents α^2 are selected from the group consisting of hydroxy groups, halogen atoms and lower alkoxy groups; and

substituents β^4 are selected from the group consisting of lower alkyl groups, lower alkyl groups substituted with halogen atom and cycloalkyloxy groups.

66. The method of Claim 55, wherein said active compound is:

3-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole,

1-(4-fluorophenyl)-2-(4-sulfamoylphenyl)pyrrole,

1-(4-fluorophenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

5-fluoro-1-(4-fluorophenyl)-2-(4-methylsulfonylphenyl)pyrrole,

2-(4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

1-(4-methoxyphenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

4-ethyl-2-(4-methoxyphenyl)-1-(4-sulfamoylphenyl)pyrrole,

2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-2-(4-methylthiophenyl)-1-(4-sulfamoylphenyl)pyrrole,

2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(4-methoxy-3-methylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(3-fluoro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-2-phenyl-1-(4-sulfamoylphenyl)pyrrole,

2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(3-chloro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole,

5-chloro-1-(4-methoxyphenyl)-2-(4-sulfamoylphenyl)pyrrole,

1-(3,4-dimethylphenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

5-chloro-1-(4-ethoxyphenyl)-2-(4-sulfamoylphenyl)pyrrole,

5-chloro-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole,

1-(4-ethylthiophenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

2-(3,5-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

1-(4-mercaptophenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

1-(4-acetylthiophenyl)-4-methyl-2-(4-sulfamoylphenyl)pyrrole,

1-(4-acetylaminosulfonylphenyl)-4-methyl-2-(4-methoxyphenyl)pyrrole, or

1-(4-acetylaminosulfonylphenyl)-4-methyl-2-(3,4-dimethylphenyl)pyrrole,

or a pharmaceutically acceptable salt thereof.

67. The method of Claim 55, wherein said active compound is:

2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole,

4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole, or

1-(4-acetylaminosulfonylphenyl)-4-methyl-2-(3,4-dimethylphenyl)pyrrole,

or a pharmaceutically acceptable salt thereof.

add B1

add C1